

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 September 2005 (22.09.2005)

PCT

(10) International Publication Number  
**WO 2005/088778 A1**

(51) International Patent Classification<sup>7</sup>: **H01R 13/74**

(21) International Application Number:  
PCT/JP2005/004727

(22) International Filing Date: 10 March 2005 (10.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2004-070120 12 March 2004 (12.03.2004) JP

(71) Applicants (for all designated States except US): **YAZAKI CORPORATION** [JP/JP]; 4-28, Mita 1-chome,, Minato-ku Tokyo, 108-8333 (JP). **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyotacho, Toyota-shi, Aichi 471-8531 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MURAKAMI, Yuichi** [JP/JP]; c/o Yazaki Parts Co., Ltd., 206-1, Nunohikihara, Haibaracho, Haibara-gun, Shizuoka 421-0407 (JP). **KASHIMA, Yoshitaka** [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha,, 1, Toyotacho, Toyota-shi, Aichi 471-8571 (JP).

(74) Agents: **TAKINO, Hideo** **6069 Patent Attorney** et al.; 4th Floor, Hiroo SK bldg., 36-13, Ebisu 2-chome, Shibuya-ku, Tokyo 150-0013 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

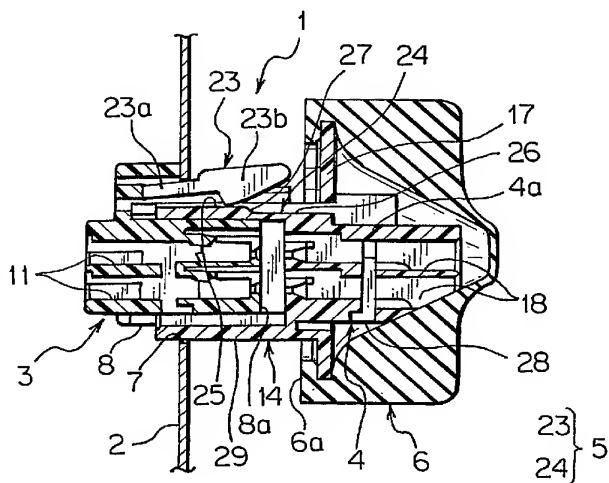
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- with amended claims and statement

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONNECTOR



(57) Abstract: An object of the present invention is to provide a connector having a pair of connector housings fitted through an attachment hole in a body panel, which is easily confirmed whether or not the fitting is complete. The connector 1 has a first connector housing 3 and a second connector housing 4, and a position regulator 5. The connector housing 4 has a flange 17. The position regulator 5 regulates the movement of the first connector housing 3 until the connector housings 3 and 4 are fitted, and allows its movement after fitting. The first connector housing 3 is temporarily locked in a hole 7 of a panel 2 and the second connector housing 4 is fitted. After the fitting of the connector housings 3 and 4, the second connector housing 4 is approached to the body panel 2. The flange 17 approaches to the body panel 2. The second connector housing 4 is locked to the body panel 2.

WO 2005/088778 A1